

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5

READY TO GO
Y-10

Welded satisfactorily only by electrowelding, if electrodes

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5"

ZADYRAKA, K.V.; ENYEDENKO, B.V., diysnyy chlen.

Solution of linear differential equations of the second order with variable coefficients by Academician S.A.Chalygin's method. Dop. AN UESR no.3:163-170 '51. (MLRA 6:9)

1. Akademiya nauk Ukrayins'koyi RSR (for Enyadenko). 2. Instytut matematyky Akademiya nauk Akademiyi nauk Ukrayins'koyi RSR (for Zadyraka).
(Differential equations, Linear)

66646
SOV/21-59-11-2/27

16 16.3400

AUTHOR: Zadyraka, K.V.

TITLE: On the Existence and Uniqueness of Periodical Integral
Multiformity of a System of Differential Equations
With a Small Parameter With Derivatives

PERIODICAL: Dopovidi Akademiyi nauk Ukrayins'koyi RSR, 1959,
Nr 11, pp 1179 - 1183 (USSR)

ABSTRACT: The author considers a system of nonlinear equations

$\frac{dx}{dt} = f(t, x, z), \quad \mu \frac{dz}{dt} = F(t, x, z) \quad (1)$ and a corre-
sponding degenerated system ($\mu = 0$), $\frac{dx}{dt} = f(t, \bar{x}, \bar{z}),$

$z = \varphi(t, x), \quad (2)$ where x and f are n -dimensional,
while z and F are m -dimensional vectors, μ is a small
parameter, $z = \varphi(t, x)$ and the root of the system
 $F(t, z, x) = 0$. It is assumed that in the region
 $-\infty < t < \infty, x \in G, |z - \varphi(t, z)| \leq p, 0 < \mu < \mu^*,$
the vectors f, F and φ are sufficiently smooth, the

Card 1/3

66646
SOV/21-59-11-2/27

On the Existence and Uniqueness of Periodical Integral Multiformity of a System of Differential Equations With a Small Parameter With Derivatives

roots of the characteristic equation

det $\| pE - M \| = 0$; where the matrix $M(t, x) = F'$
 $(t, x, \varphi + \varepsilon)$ and the E unique matrix both have negative real parts, and the vectors f, F and φ are periodic in t with a period of 2π . The author proves:
1) the existence and uniqueness of a periodic integral variety $z(t, x, \mu) = \varphi(t, x) + \psi(t, x, \mu)$ of system (1) tending toward the integral variety of system (2) at $\mu \rightarrow 0$; 2) the existence of limited and uniformly continuous derivatives of this variety with respect to x; 3) the existence of a limited and uniformly continuous first derivative of this variety with respect to μ . There are 2 Soviet references.

Card 2/3

66646
SOV/21-59-11-2/27

On the Existence and Uniqueness of Periodical Integral Multiformity of a System of Differential Equations With a Small Parameter With Derivatives

ASSOCIATION: Instytut matematyky AN UkrSSR (Institute of Mathematics of the AS, UkrSSR)

PRESENTED: By Y.Z. Shtokalo, Member of the AS UkrSSR

SUBMITTED: April 1, 1959

Card 3/3

4

ZADYRAKA, K.V.; HNYEDENKO, B.V., diyenyy chlen.

Calculation of eigenvalues and functions in Sturm-Liouville's boundary problem.
Dop. AN URSR no. 3:171-176 '51.
(MLR 6:9)

1. Akademiya nauk Ukrains'koyi RSR (for Hnyedenko). 2. Instytut matematyky
Akademiyi nauk Ukrains'koyi RSR (for Zadyraka).

(Eigenfunctions)

145389-66 EWP(d)/EWP(1)
ACC NRT AR6016606 IJP(c)

SOURCE CODE: UR/0044/65/003/012/B048/B048

23
B

AUTHOR: Zadyraka, K. V.

TITLE: Existence and uniqueness of the integral manifold of a nonregular perturbed
system of nonlinear differential equations

SOURCE: Ref. zh. Matematika, Abs. 12B259

REF SOURCE: Visnyk Kyiv's'k. un-tu. Ser. matem. ta mekhan., no. 6, 1964, 46-61

TOPIC TAGS: nonlinear differential equation, existence, uniqueness

ABSTRACT: The author considers a system of $n + m$ nonlinear differential equations of the form

$$\frac{dx}{dt} = f(x, z, t, \mu); \mu \frac{dz}{dt} = F(x, z, t, \mu). \quad (1)$$

and the corresponding degenerate system

$$\frac{dx}{dt} = f(\bar{x}, \bar{z}, t, 0), F(\bar{x}, \bar{z}, t, 0) = 0. \quad (2)$$

Under a series of assumptions, the existence and uniqueness are proved of the m -dimensional integral manifold of system (1) in some neighborhood of the solution $z = \varphi(x, t)$ of the system $f(x, z, t, 0) = 0$. In the course of the proof successive approximations to the manifold are constructed. An analogous process is considered for autonomous systems of this type. Reviewer's remarks. The author introduces a definition of local integral manifold without citing the work of the reviewer (RZhMat, 1958, 5715; 1959, 1463), where a definition of local integral manifold was first given for systems of nonlinear differential equations. O. Lykova /Translation of abstract/
author

Card 1/1 SUB CODE: 12

UDC: 517.917

ZADYUZHKO, I.K.; LOSHCHINSKAYA, A.V.

Automation of the process of burning clinker. TSement 28 no.3:3-7
My-Je '62. (MIRA 15:7)

1. Sebryakovskiy zavod (for Zadyuzhko). 2. Trest "Sevzapmontazh-
avtomatika" (for Loshchinskaya).
(Sebryakovo—Kilns, Rotary)
(Automation)

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5

ZADZIŠEK, I.B.

Packed linings of steel pouring ladles. Lit. proizv. no. 10:39
0 '63. (MIRA 16:12)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5"

ZADZISHEK, I.B.

Progressive foundry equipment at the Exhibition of the
Achievements of the National Economy. Lit. proizv. no.1:
2-4 Ja '62. (MIRA 16:8)

(Foundries--Equipment and supplies)
(Mc cow--Exhibitions)

ZADZISHEK, I.B., inzh.; SAMOYLOVA, Yu.V., inzh.

Foundry practice at the all-Union Exhibition of the Achievements
of the National Economy of the U.S.S.R. Lit. proizv. no. 12:14-
17 D '60. (MIRA 13:12)
(Founding--Exhibitions) (Moscow--Exhibitions)

S/128/60/000/012/005/014
A054/A030

AUTHORS: Zadzishek, I.B.; Samoylova, Yu.V.

TITLE: The Foundry Industry at the USSR Exhibition of Economic Achievements

PERIODICAL: Liteynnoye proizvodstvo, 1960, No. 12, pp. 14 - 17

TEXT: Of the products for the foundry industry shown at the USSR Exhibition of Economic Achievements the following are mentioned: High-temperature foundry furnace of the TaNIITMASH, which produces cheap cast iron at high temperatures, neutralizes the separating gases and is suitable for automatic operation. - Induction mixers of the OKB "Elektropech" with commercial frequency and 1 - 10 tons capacity. - "116" type centrifugal mixers of the Amurlitmash for filling, coating and core mixtures, with 0.75 m³ capacity and 20 - 60 tons/h output. - 9127T (9127G) type semi-automatic forming, knocking out and repressing machine, with an output of 120 m molding boxes per hour (Fig. 2). - The Kremenchug Factory of Road Building Machines exhibited the model of an automatic press, which produces forms for precision casting (900 forms per hour) with a maximum projection area of the model of 500 cm² and a height of 100 mm. - A 2855 (28B5) type single position sand-slinger (Fig. 3) for producing cores up to 16 kg, with an output of

Card 1/5

8/128/60/000/012/005/014
A054/A030

The Foundry Industry at the USSR Exhibition of Economic Achievements

200 cores per hour, for core boxes of 600 x 500 x 500 mm. - The "305" type sand-slinger core forming machine of the NIITAVTOPROM produces profile cores up to 5 kg, 360 cores per hour. - A sand-slinger for cold forming, with roll-over device was presented by the Automobile Factory imeni Likhachev. Automatic press for the production of centre cores for mine car wheels (100 cores per hour) were exhibited by the Toretsk Mechanical Factory (Fig. 6). Automatic production line of the VPTI for forming, assembling and knocking out with БИФ-1 (BIF-1) type automatic presses has an output of 9,000 - 10,000 per year and a floor-space requirement of 250 m². The TsPKTB of the Mosoblsovnarkhoz and the Podol'sk Mechanical Factory exhibited a model of an automatic line for forming and knocking out mold boxes (type АЛФ-1 - ALF-1); output 1,200 forms per hour, moldbox size 406 x 264 x 80 mm. - The Azovsk Factory of Forging and Pressing Machinery exhibited a jacket for the assembly of forms from standard type, hollow sand cores made from quick-drying mixtures for the production of 35 - 50 tons' stands (Fig. 7). - The continuous production line of the Kharkovsk Tractor Factory exhibited in model for cleaning castings has an output 8,000 - 10,000 tons per year. An automatic equipment, УД-1 (UD-1), is designed by the Altaysk Scientific and Planning Research Institute for Engineering for making metallic grains of iron and steel chips, by

Card 2/5

S/128/60/000/012-005/014
A054/A030

The Foundry Industry at the USSR Exhibition of Economic Achievements

heating on an electric plate with an output of 150 kg/h. - The Yaroslavsk Sovnar-khoz exhibited metallic sand for cleaning castings (also of stainless and heat-resistant alloys), corrosion-resistant spray nozzles with mineral-ceramic lining, used in cleaning with metallic grains, moreover silica sand for cleaning colored metal castings. - The Krasnaya Presnaya Factory exhibited an electric separator ("180") for reclaiming the sand from the used mixture; output 2.5 tons of the initial product per hour. - The Foundry Institute of the AN UkrSSR exhibited zirconium containing dye stuffs for coating molds and cores. The use of zirconium reduced both the mechanical treatment allowance and waste (cinder, etc.) by 20%. - The Leningrad Sovmarkhоз exhibited an ЛДГ (LDG) type machine for pressure casting with automatic pouring and horizontal cooling chamber. A system of group casting under pressure is also exhibited; it reduces the cost of the press form three times. NITTavtoprom exhibited its mechanization and automatization systems which reduce the labor requirement of 1 ton of casting to 98 standard hours and its cost to 5,400 rubles. NIIITMASH shows a method of applying a forming mixture with brown coal bitumen to replace stearine. - Other items exhibited were: МДФ-240 (MDF-240) type automatic machine for press forms made with thermo-reactive resins; multiposition semi-automatic machine for patterns; a completely mecha-

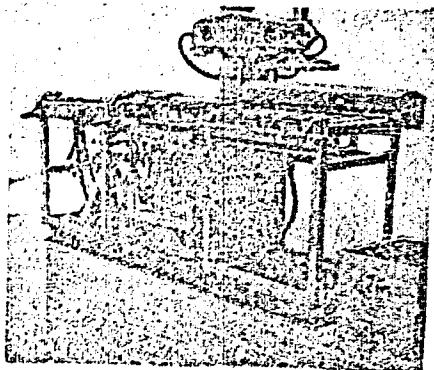
Card 3/5

S/128/60/000/012/005/014
A054/A030

The Foundry Industry at the USSR Exhibition of Economic Achievements

hized and automatized equipment for shell-casting, singel-position and 4-position automatic machines for shell-shaped cores. There are 10 figures.

Figure 2:



Card 4/5

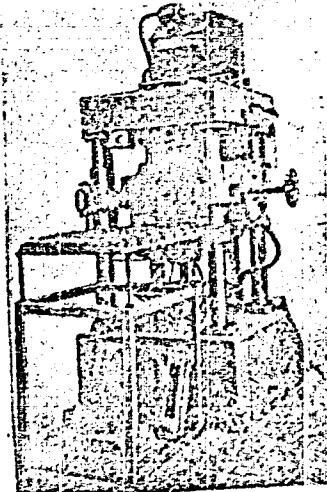


Figure 3

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5

S/128/60/000/012/005/014
A054/A030

The Foundry Industry at the USSR Exhibition of Economic Achievements

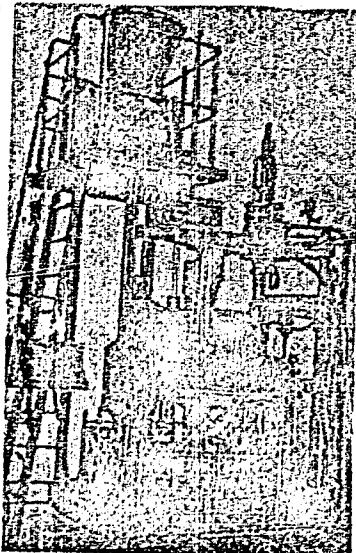


Figure 6

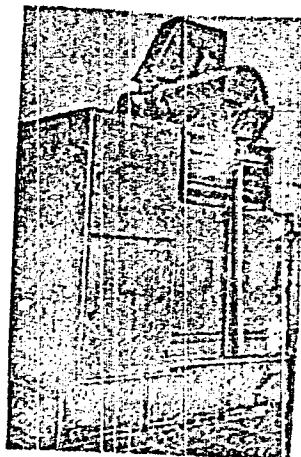


Figure 7

Card 5/5

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5"

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5

ZADZISHEK, I.B.

Measures for reducing the use of food products in founding. Biul.
tekhn.-ekon.inform.Gos.nauch.-issal. inst. nauch. i tekhn. inform.
18 no.6;57-58 Je '65. (MIRA 18:7)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5"

ZADZISHEK, I.B.

Using steam-ejecting pump in vacuum treatment of steel.
Mashinostroitel' no.9:14 S '62. (MIRA 15:9)
(Vacuum metallurgy)

ZADZISHEK, I.B.

At the Exhibition of Achievements of the National Economy.
Ognaupory 27 no.11:512-513 '62. (MIRA 15:11)

1. Vystavka dostizheniy narodnogo khozyaystva SSSR.
(Moscow—Exhibitions)
(Refractory materials--Exhibitions)

8/117/62/000/009/001/003
A004/A101

AUTHOR: Zadzishek, I. B.

TITLE: Vacuum treatment of steel using steam ejector pumps

PERIODICAL: Mashinostroitel', no. 9, 1962, 14

TEXT: The steam ejector pump shown at the Moscow Exhibition is intended for pumping off gases during the vacuum treatment of liquid steel. It consists of 4 ejectors connected in series, two intermediate condensers of the surface type and the pump for pumping off the condensate. The author presents a brief description and a schematic diagram showing the installation layout. The cooling water consumption amounts to 130 - 140 m³/hour; the total steam consumption is 4,300 - 4,500 kg/hour, the pressure 9 atm. The rated capacity is 125 kg of dry gas per hour. There is 1 figure.

Card 1/1

S/128/62/000/001/001/002
A004/A127

AUTHOR: Zadzishek, I.B.

TITLE: Up-to-date casting machinery at the Exhibition of the Achievements of National Economy

PERIODICAL: Liteynoye proizvodstvo, no. 1, 1962, 2 - 4

TEXT: The author enumerates various casting machines and equipment exhibited by the Department of Foundry Practice of the VDNKh, of which the following machines and assemblies are of special interest: A computer assembly developed by the Tbiliskiy nauchno-issledovatel'skiy institut priborostroyeniya i sredstv avtomatizatsii (Tbilisi Scientific Research Institute of Instruments and Automation Equipment) "TNIISA", which consists of a computer for the automatic supply of up to 10 charge constituents to the cupola, a computer for stabilizing the metal temperature in the gutter in the range of 1,350 - 1,500°C, and a computer for stabilizing the coke burning process in the cupola in the range of 8 - 19% coke consumption and 8 - 15% carbonic acid content. The Leningrad Kirov Plant showed the operating model of an automated molding line for the manufacture of casting molds by pressing. The molds are produced on a six-

Card 1/4

S/128/62/000/C01/001/002

A004/A127

Up-to-date casting machinery at the

position pressing and molding table having a capacity of 100 molds/hour of 875 x 550 mm and 60 molds/hour of 875 x 680 mm size. The specific pressure applied is 16.8 - 20.8 kg/cm². NIITAVTOPROM exhibited a standardized line for the production of small-size castings including sand-blast molding automatics with additional pre-pressing. The molding line was made at the Ural'skiy avtomobil'nyy zavod (Ural Automobile Plant) and has a capacity of 900 molds/hour. The flask size is 440 x 420 x 125 mm, the casting conveyer travels at a speed of 10.5 m/min. TNIISA showed a programming device and the 296M sand slinger in operation, the latter being produced in series by the Stankolit Plant. The program is recorded on a magnetic tape while the flasks are rammed. The "Krasnaya Premya" Casting Machine Plant exhibited the model 91226 vibropressing semi-automatic for making molds in 500 x 400 x 200 mm flasks. The automatic has been developed on the basis of the model 226 vibro-pressing molding machine and has a capacity of 150 flasks/hour if the molding section is fully mechanized. The same plant showed the model 28S7 (28B7) semi-automatic for making cores of up to 40 kg weight. The Ural Automobile Plant exhibited a core sand-slinging semi-automatic for making large and long cores of 600/950 x 400 x 200 mm size, with a volume of up to 40 l. The Chelyabinsk traktorny zavod (Chelyabinsk Tractor Plant) showed a semi-automatic four-position core sand-blasting machine for the

Card 2/4

S/128/62/000/001/001/00E

A004/A127

Up-to-date casting machinery at the

production of cores of up to 30 kg in boxes of 650 x 150 cm with a capacity of 500 batches per hour. The Plant im. Voykov showed the AC-3C (AS-3s) core sand-blasting semi-automatic for making cores for the casting of heating radiators, the capacity of the machine being 180 batches/hour. The "AMURLITMASH" Casting Machine Plant exhibited the model 1A14 centrifugal mixing crusher rolls, a multipurpose heavy-duty machine intended for work in foundry shop sections preparing the molding mixture. The machine capacity is 15 m²/h at a cycle duration of 1 minute. The Altayskiy nauchno-issledovatel'skiy i proyektno-tehnologicheskiy institut mashinostroyeniya (Altai Scientific Research and Design and Planning Technological Institute of Mechanical Engineering) exhibited the УД-1 (UD-1) automatic assembly for producing shot from cast-iron and steel chips, which are heated in a 15% calcinated soda solution serving as electrolyte. The machine has a capacity of 150 kg/h. The Leningrad "Bol'shevik" Plant showed the AMЧ-1,5 (AMCh-1,5) autoclave installation intended for the introduction of magnesium into liquid cast iron at a pressure of up to 6 kg/cm². TsNIITMASH showed a technology of producing cast iron modified with magnesium and fluxes in a 5-ton air-tight ladle of the converter type. The same institute showed the technology of casting the runner blades of the Bratsk GES hydraulic turbine in metallic molds. The Kemerovo Sovnarkhoz exhibited a pneumatic system for con-

Card 3/4

S/128/62/000/001/001/002

A004/A127

Up-to-date casting machinery at the

veying samples to the laboratory for chemical analyses and for returning the results to the melting assembly. The Tsentral'noye konstruktorskoye tekhnologicheskoye byuro (Central Technological Designing Office) of the Odessa Sovnarkhoz showed a device for the acoustic checking of casting structures, based on the dependence of the propagation velocity of sound waves in cast iron on the graphite structure, either lamellar or spheroidal. There are 9 figures.

Card 4/4

ZADEZNEK, I.B.

Rapid repair of arc steel furnaces. Vashinostroitel' no. 2:12
F '61. (MLA 14:2)
(Metallurgical furnaces--Maintenance and repair)

ZADZISHEK, I.R., iuzh.

Iron ore dressing techniques at the Exhibition of Achievements of
the National Economy of the U.S.S.R. in 1960. Gor.zhur. no.9:63
S '60. (MIRA 13:9)
(Iron ores) (Ore dressing)

SIRUNYAN, A.N. ; ZAFERMAN, N.I.

Results of testing a remote dynamometric installation in the
field No.4 of the Oil Field Administration of the "Ordzhonikidze
Petroleum" Trust. Azerb. neft. khoz. 38 no.5:28-29 My '59.
(Dynamometer) (Remote control)

ZADZISHEK, I.B.

In the Council Committee on the Achievements of the National
Economy of the U.S.S.R. Tsvet. met. 33 no.8:78-79 Ag '60.
(MIRA 13:8)

(Technological innovations)
(Rewards (Prizes, etc.))

ZADZISHEK, I.B.

At the exhibition of the Achievements of the National
Economy of the U.S.S.R. Metallurg 5 no.9:1-2 S '60.
(MIRA 13:8)
(Moscow--Exhibitions) (Metallurgy--Exhibitions)

ZADZISHEK, I.B., inzh.

Rewards for creators of new techniques. Gor. zhur. no.8:78
Ag '60. (MIRA 13:8)
(Technological innovations)

ZADZISHEK, I. B., inzh.

Nonferrous metallurgy at the Exhibition of the Achievements of the
National Economy of the U.S.S.R. TSvet. met. 33 no.8:1-3 Ag '60.
(MIRA 13:8)

1. Vystavka dostizheniy narodnogo khozyaystva SSSR.
(Moscow--Exhibitions) (Nonferrous metals--Metallurgy)

ZAFATOVA, N.A.; MAYERGOYZ, I.I.; SHEVTSOV, M.A.

Modern equipment for the preparation of controlled atmospheres.
Metalloved. i term. obr. met. no.9:21-26 3 '64.

(MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrotermicheskogo oborudovaniya.

ZAFERMAN, N.I.; ABRAMYAN, T.Kh.

Central control of lift wells. Neftianik 4 no.1:15-17 Ja '59.
(MIRA 12:4)

1. Starshiy inzhener promysla No.4 neftepromyslovoego upravleniya
Ordzhonikidze neft' (for Zaferman). 2. Starshiy inzhener nauchno-
issledovatel'skogo sektora Ministerstva promyshlennosti AzSSR (for
Abramyan).

(Oil fields--Production methods)

SOV/92-59-1-10/36

14(5), 28(1)

AUTHORS: Zeferman, N.I. and Abramyan, T.Kh., Senior Engineers

TITLE: Remote control of Pressure Oil Wells (Dispatcherizatsiya nasosno-kompressornykh skvazhin)

PERIODICAL: Neftyanik, 1959, Nr 1, pp 15-17 (USSR)

ABSTRACT: The authors state that several telemechanical systems controlling oilfield operations exist at present in the Soviet Union. In their opinion the simplest and most dependable system designed to control deep pumped wells is the ChT-1 system introduced in the No 4 oilfield of the Ordzhonikidzeft' Petroleum Production Administration. Its operational frequency is in the range from 40 to 300 cycles. The system can transmit signals on the continuity of oil well operation. It can also be used for teleionic communications, turning on or off an electric motor, emergency signaling, teledynamometering of oil well operations, and for automatically measuring oil well flow. The author describes the equipment installed at each well and in the control room. The control panel has four two-wire outgoing lines, each of which can be connected with 24 deep pressure wells and with 3 oil gathering centers. Thus, the telemechanical system can control, in total, 96 deep pressure wells and 12 oil gathering centers. The teledynamometering of a well is carried out with the aid

Card 1/2

Remote Control of Pressure Oil Wells

SOV/92-59-1-10/35

of a pressure pickup installed at the balance beam of a pumper. Its signals are transmitted to the control room, where they are amplified by a dynamo-scope, and shown as a luminous pressure curve appearing on the panel board. From 2 to 3 minutes are needed to produce a dynanogram, so that within one hour it is possible to produce dynamograms of 20-30 oil wells. Fig. 1 shows the design of the unit used for the remote automatic gaging of the oil well flow. One measuring trap is used for eight oil wells and has therefore 8 distributing valves, each provided with a membrane mechanism. Fig. 2 shows the design of the pneumatic valve with its principal parts, and Fig. 3 the design of the electrically operated pneumatic valve. The author explains how this equipment works, and how the level of petroleum and water is automatically measured in a trap. In order to improve precision in determining the oil well flow all the wells are grouped into wells producing pure petroleum, wells producing petroleum with the water content under 90 percent, and wells producing petroleum with water content exceeding 90 percent. The automation of the equipment permits the control room operator to measure the oil well flow twice a day. There are 3 figures.

ASSOCIATION: NPU Ordzhonikidzeneft' i NIS MNP AzSSR (The Ordzhonikidzeneft' Petroleum Production Administration, and the Scientific Research Department of the Ministry of Petroleum Industry of the Azerbaijan SSR)

Card 2/2

ZAFIR, Mihaly, dr.

Some data about our clothing retail trade. Stat azenle 37
no.5:528-538 My '59.

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5

ZAFIR, Mihaly, Dr.

Food consumption in Czechoslovakia and Hungary.I.(To be contd).
Stat szemle 40 no.31242-252 Mr '62.

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5"

ZAFIR, Mihaly, Dr.

Food consumption in Czechoslovakia and in Hungary.III. Stat
szemle 40 no.4:369-383 Ap '62.

1. A Kozponti Statisztikai Hivatal osztalyvezetoje.

ZAFIR, Mihaly, dr.

Observation of the retail trade clothing turnover and supply structure by means of samples. Stat szemle 42 no. 5:459-473 My '64.

1. Deputy Department Chief, Central Statistical Office, Budapest.

ZAFIRIS, N.P.

School evening devoted to astronomy. Fiz.v shkole 22 no.5:84
S-O '62. (MIRA 15:12)

1. 13-ya srednyaya shkola, g. Aktyubinsk
(Astronomy--Study and teaching)

ZAFIRIS, N.P.

Polytechnical evening. Fiz. v shkole 20 no. 6:104-105 K-D '60.
(KRA 14:2)

1. 13-ya srednysye, shkola g.Aktubinsk.
(Aktubinsk—Technical education)

SIVKOV, T.; ZAFIROV, Khr.

Treatment of traumatic and surgical defects by transplantation.
Khirurgia 17 no.2:149-150 '64.

1. Iz Katedrata po propedevtika na khirurgichnite zaboliavaniia
pri VMI [Vissh meditsinski institut] "I.P.Pavlov" - Plovdiv.

FALEV, N.; ZAFIROV, Khr.

Renal complications in surgery. Khirurgika, Sofia 11 no.5-6:548-550
1958.

1. Iz Katedrata po propedevtika na khirurgichite bolesti pri VMI
I. P. Pavlov--Plovdiv.

(KIDNEY DISEASES, etiol. & pathogen.
surg. compl. (Bul))

(SURGERY, OPERATIVE, compl.
postop. kidney dis. (Bul))

SOV/154-58-1-3/22

AUTHORS: Khaydushki, I. T., Engineer, Zafirov, F. V.
(Translated From Bulgarian by G. K. Venedikov)

TITLE: Increased Possibilities in Working on Autographs Provided
With Means for Projecting Automatically by Altering Focal
Length in Projecting Cameras (Uvelicheniye vozmozhnostey
kartografirovaniya na avtografakh s mekhanicheskim proyekti-
rovaniyem posredstvom izmeneniya fokusnogo rasstoyaniya v
proyektionnykh kamerakh)

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Geodeziya i aero-
otos"yemka, 1958, Nr 1, pp 29-34 (USSR)

ABSTRACT: The exact modern apparatus, as A-7, C-8 and others, offer
the possibility of increasing the accuracy in cartographing
by altering the elements of interior orientation. This is
true especially of type-A-6 autographs, where it is hardly
possible to increase accuracy in any other way. In accuracy
tests by means of A-6 of the altitudes to be determined the
formula (1) was established and also formula (2), respective-
ly, in which this accuracy m_h is expressed in the altitude of
the air photograph and reduced to the average inclination.

Card 1/3

SOV/154-59-1-3/22

Increased Possibilities in Working on Autographs Provided With Means for
Projecting Automatically by Altering Focal Length in Projecting Cameras

m_b is a function of the photographing altitude. The formula (17) was derived for the resultant vertical parallax caused by change in focal length. This formula shows that the resultant vertical parallax in case of focal length change is corrected by the ratio between the altitudes. Stereo-cartography with different focal lengths is important especially in the two following cases: 1) If the scale of aerophotography is very small and unfavorable for cartography within the limits of accuracy required. Two tests were carried out independently of each other with the autograph "BMAbA-A-6". The results gave proof of the suitability and usefulness of this method of cartography with changed focal length. 2) The tests offered good results with A-6 also in larger scales although this instrument is not at all suited for such a kind of cartography. The most important advantage of this method is that it may successfully solve the problem of selecting bases with large-scale photographs. There are 2 figures, 1 table, and 1 reference, 0 of which is Soviet.

Card 2/3

SOV/154-50-1-3/22
Increased Possibilities in Working on Autographs Provided With Means for
Projecting Automatically by Altering Focal Length in Projecting Cameras

ASSOCIATION: Sofiyskiy inzhenerno-stroitel'nyy institut (Bulgariya)
(Sofia Institute of Civil Engineers, Bulgaria)

Card 3/3

KHAYDUSHKI, I.T., dotsent; ZAFIROV, P.V., inzh.

Factors determining the most appropriate scale of aerial photographs for large-scale mapping by universal methods. Izv.vys. ucheb.zav.; geod.i aerof. no.4:133-142 '62. (MIRA 16:2)

1. Sofiyskiy inzhenerno-stroitel'nyy institut, Bolgarskaya Narodnaya Respublika.
(Aerial photogrammetry)

ZAFIROV, Pancho I. (Poljarkov, Narodnaya Respublika)

Stereoscopic method for lateral rotation of spatial models
during work with the stereoplaniograph. Izv. vys. ucheb.
zav.; god. i aerof. no.3:121-126 '61. (MIRA 14:10)
(Stereoplaniograph)

KHAYDUSHKI, I.T., dotsent; ZAFIROV, P.V., inzh.

Stereoscopic method of establishing the final base in working on
universal cartographic instruments. Izv.vys.ucheb.zav.; geod.i
aerof. no.4:143-145 '62. (MIRA 16:2)

1. Sofiyskiy inzhenerno-stroitel'nyy institut, Bolgarskaya
Narodnaya Respublika.
(Cartography—Equipment and supplies)

ZAFIROFF, P.W.
SURNAME (in caps); Given Names

Country: Bulgaria

Academic Degrees: Graduate Engineer

Affiliation: Sofia

Source: Berlin, Vermessungstechnik, Vol 9, No 11, Nov 61,
pp 346-347

Data: "Stereoscopic Method for Setting the Common Lateral
Tilt of the Space Model in the Stereoplanigraph"

ZAFIROV, S.

SCIENCE

PERIODICAL: GODISHNIK Vol. 50, No. 2, 1955/56 (published 1957)

ZAFIROV, S.; MANDEV, P. Indications of petroleum deposits in the main near the village of Forna Verenitsa, Mikhaylovgrad Okoliya, p. 357.

Monthly List of East European Accessions (EEAI) LC Vol. 8, No. 2
February 1959, Unclass.

ZAFIROV, St.; GAVHILLIUS, A.

Geology of the coal-bearing Paleozoic in the vicinity of
the village of Draganitsa, Mikhailovgrad District. Godishnik
Min geol inst 7:49-59 '60/'61 [publ. '62].

"APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5

ZAFIROV, St.

Gypsum. Prir i znanie 12 no.7:21 S '59.
(Gypsum)

(EEAI 9:10)

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5"

ZAFIROVA, G.S.

On the problem of Addison's disease without pigmentation. Suvrem
med., Sofia no.10:48-54 '60.

1. Iz Katedrata po endokrinologii pri TSIUL, Moskva. (Zav.
katedrata prof. N.A.Shereshevski)
(ADDISON'S DISEASE diag)

SOV/124-57-4-3865

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 4, p 5 (USSR)

AUTHORS: Shelepin, Ye. I., Zafiyovskiy, M. A.

TITLE: A Contribution to the Calculation of the Sliding-friction Force (K voprosu o raschete sily treniya skol'zheniya)

PERIODICAL: Dokl. L'vovsk. politekhn. in-ta, 1955, Vol I, Nr 2, pp 51-54

ABSTRACT: Bibliographic entry

Card 1/1

ZAFKA, M.; GRIGEL, J.

Proposal for a semiautomatic control desk for very high current. p. 157.

STROJNICKY CASOPIS. (Slovenska akademia vied) Bratislava, Czechoslovakia.
Vol. 6, no. 3, 1955.

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11,
November 1959.

Uncl.

KIM, Viktor Innokent'yevich; ZAFRAN, Mavlikh Isosifovich; KAZAKOVA, L.A.,
red.; ASTAKHOVA, I.V., tekhn. red.

[Amending the statutes of collective farms; practices of collective
farms in Kazakhstan] Praktika izmenenija ustavov kolkhozov: iz
opyta raboty kolkhozov Kazakhskoi SSR, Moskva, Gos. izd-vo iurid.
lit-ry, 1958. 54 p. (MIRA 11:9)

(Kazakhstan—Collective farms)

ZAFRANSKIY, Yu.N.; BANDURINA, K.V.; CHURIKOVA, I.A.; Prinimala uchastiye:
BAZANOVA, N.I.

Vapor - liquid equilibrium of the system isopropylbenzene - α -methyl-styrene. Zhur.prikl.khim. 37 no.1:230-231 Ja '64. (MIRA 17:2)

1. Krasnoyarskiy zavod sinteticheskogo kauchuka.

ZAFREH, S., kand. sel'skokhozyaystvennykh nauk

Recent development in storing shelled corn. Nauka i pered. cp
v sel'khoz 9 no.5:46-48 My '59. (MIRA 12:8)

1.Vsesoyuznyy institut kormov.
(Corn (Maize)--Storage))

ZAFREN, S.Ya., kand.sel'skokhoz.nauk; IVANOV, Yu.A., aspirant; PLOTNIKOVA,
A.F., mладший научный сотрудник

Increasing the forage quality of straw. Zhivotnovodstvo 23 no.2:
22-23 F '61. (MIRA 15:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov imeni
V.R.Vil'yamsa.
(Straw as feed)

ZAFREH, S. YA.

Phr., All-Union Sci. Res. Inst. Animal Fodder im. V. M. Vil'yama, -1944-c/5-.

"Changes of Carotene Content in Hayilage," Blokhina, D, Noe. 2-3, 1945;

"On the Theory of Obtaining Hay Rich in Provitamin A," Dok. AN, 52, No. 3, 1946;

"The Reversibility of the Oxidation of Carotin in Plants," Ibid., 60, No. 8, 1948.

Changes of carotene content in storage. S. Ya. Zafra
Biokhimiya 9, 119-23(1944); cf. C. A. 37, 1972 - That
the carotene content of ensiled green plant tissue in-
creases has been observed by many investigators, who
usually explained the results as due to imperfect analytical
methods. Resilage does result in an increase of the caro-
tene content in green plants. Crushed tissue and tissue
killed by heating yield no increase during ensilage. It is
suggested that xanthophyll is converted to carotene by
an enzymic process. H. Priestley

12

Theory of obtaining hay rich in provitamin A. N. V. Zafren. *Comp. rend. acad. sci. U.R.S.S.* 52, 717-721 (1947) (in English); cf. *C.A.* 40, 2031. — The carotene (I) content of red clover leaves was at its max. at midnight and at a min. near noon. When covered with black paper for 4 hrs. during the day, detached leaves, but not covered leaves of growing plants, increased markedly in I. It is conjectured that the higher I observed in hay prep'd. in the dark should be explained by the fermentative formation of I in darkness and not by its photochem. destruction in light. The presence or absence of light merely deter. the direction of the oxidation-reduction enzymic process.
J. T. Sullivan

12

٣٤

一一六

Roversibility of carotene oxidation in plants. S. Ya. Zalman and A. V. Tyukina. *Doklady Akad. Nauk S.S.R.* 9, No. 1, 135-138 (1946); *Izv. Akad. Nauk SSSR*, 1946, No. 1, 20-24. In experiments with red clover and vetch, samples were taken immediately after harvesting and after a wilting period of several hrs., after which the plants were placed in water to restore the turgidity for 15-20 min. After rewetting, the plants were analyzed. The results indicate that during restoration of turgidity in wilted plants a regeneration of carotene takes place; this is not a relative, but an absolute increase. It occurs only in slight wilting. If the plants are wilted beyond the ability to recover turgidity in water, the phenomenon does not occur. The restored carotene level is usually very near to that of freshly harvested samples; the level in the wilted plants ranged from 10 to 30% below the "freshly harvested" level. G. M. Kondapalli

ASIA-SEA METALLURGICAL LITERATURE CLASSIFICATION

APPROVED FOR RELEASE: 03/15/2001

CIA-RDP86-00513R001963410011-5"

ZAFREN, S.YA.

25133 ZAFREN, S. YA. O Znachenii Sveta Pri Prigotovlenii A-Vitamininogo Sena.
V SB: Voprosy Kormodobyvaniya. Vyp. 2. M., 1949, S. 197-201- Bibliogr: 6 Nazv.

SO: Letopis' No. 33, 1949

ZAFREN, S.Ya., kand.sel'skokhozyaystvennykh nauk; SHARABRIN, I.O., prof.;
SHTUREA, Ye.K., mladshiy nauchnyy sotrudnik

Results of four years' work in substituting silage for hay in
winter rations for cows. Zhivotnovodstvo 23 no.8:43-50 Ag '61.
(MIRA 16:2)

1. Vsesoyuznyy institut kormov (for Shturba).
(Cows—Feeding and feeds) (Hayes feed)

1. BATTEN, E. M.

2. 100-1000

3. "Microbiology," Vol. 1, No. 1, 1952, Moscow, Russia, pp 121-132.

9. Mikrobiologiya, Vol XXI, Issue 1, Moscow, Jan-Feb 1952, pp 121-132. Unclassified.

ZAFREN, S.

Ensilage

How to determine volume and weight of silage. Kolkh, proiz. 12, no. 5, 1952.

Monthly List of Russian Accessions, Library of Congress, November 1952. UNCLASSIFIED.

ZAFREH, S.Ya.

[Production of corn silage] Proizvodstvo silosa iz kukuruzy. [Moskva]
Moskovskii rabochii, 1956. 50 p.
(Corn (Maize)) (Ensilage) (MIRA 10:2)

ZAFREN S.

USSR / Farm Animals. General Problems

Q-1

Abs Jour : Rof Zhur-Biol., No 6, 1958, 26096

Author : Zafron S., Vochora A.

Inst : Not given

Title : A New Method for the Preservation and Storage of the
Moist Corn Grain for Fodder (Novyy sposob konserviro-
vaniya i khraneniya vlaghiogo zerna kukuruzy na dorm)

Orig Pub : Molochn. i myasnoye zhivotnovodstvo, 1957, No 6, 35-39

Abstract : The experiments carried out by the authors demonstrated
the possibility of the successful storage of the moist
grain of the waxy ripe corn under anaerobic conditions in a
storing place isolated from the air and provided with air-
tight walls. The moisture amounted to about 40 percent.
There was but 2-5 percent of mildewed grain.

Card 1/1

ZAFREN, S.Ya.

Ensilage in burts. Nauka i pered.op.v sel'khoz. 7 no.7:14-15 Ju '57.
(MLRA 10:8)

1.Zaveduyushchiy otdelom tekhnologii kormov Vsesoyuznogo instituta
kormov.

(Ensilage)

ZAFREN, S.Ya., kand.sel'skokhozyaystvennykh nauk; NIKOLAYEV, L.I., kand.
sel'skokhozyaystvennykh nauk

Chemicals for the preservation of green feeds. Zhivotnovodstvo 21
no.8:36-38 Ag '59.
(MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov im. V.P.
Vil'yamza.

(Ensilage)

ZAFREH, Solomon Yakovlevich, kand. sel'khoz. nauk; ZAGORSKIY, G.,
red.; USTINOVA, S., tekhn. red.

[Recent developments in feed ensilage] Novoe v silosovanii
kormov. Moskva, Mosk.rabochii, 1962. 35 p. (MIRA 15:10)
(Ensilage)

ZAFREN, Solomon Yakovlevich, kand. sel'khoz. nauk; SELEZNEV, N.G., red.;
PULIN, L.I., tekhn. red.

[Treatment of straw with ammonia water] Obrabotka solomy ammiachnoi
vodoi. Tula, Tul'skoe knishnoe izd-vo, 1961. 26 p. (MIRA 14:12)
(Straw as feed) (Ammonia)

ZAFREN, S.Ya., kand.sel'skokhoz.nauk.

Increasing the nutritive value of straw with simultaneous
available nitrogen enrichment. Dokl.Aka.sel'khoz. 24 no.8:
9-14 '59.
(MIRA 12:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov imeni
V.R.Vil'yamsa. Predstavlena akademikom M.A.Ol'shanskim.
(Straw as feed) (Ammonium)

SAFREN, S.Ya.

Storage of shelled feed corn in silos and the ensilage of corn.
Dokl. Akad. sel'khoz. 24 no. 3:10-12 '59. (MIRA 12:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kernev. Predstavlena
akademikom M.A. Ol'shanskim.
(Corn (Maize)--Storage) (Ensilage)

USSR/Cultivated Plants. Forage Crops.

M

Abs Jour: Ref Zhur-Biol., No 17, 1958, 77730.

Author : Zafren, S.Ya.; Medvedeva, V.T.
Inst :

Title : On the Evaluation of Growing Corn for Silage Methods.

Orig Pub: Kukuruz, 1958, No 2, 53-55.

Abstract: No abstract.

Card : 1/1

88

ZAFREN, S.Ya., kand.sel'skokhozyaystvennykh nauk; SHARABRIN, I.G., prof.;
BOROVKOVA, Ye.I.

Investigations into the feasibility of substituting silage for hay
in cows' diets. Zhivotnovodstvo 20 no.11:31-37 N '58.

(MIRA 11:11)

(Dairy cattle--Feeding and feeding stuffs)

ZAFREN, Solomon Yakovlevich, kand. sel'khoz. nauk; ZAGORSKIY, G., red.;
YAKOVLEVA, Ye., tekhn. red.

[Prepare corn ensilage properly] Pravil'no silosuite kukuruza. Mo-
skva, Mosk. rabochii, 1961. 27 p. (MIRA 14:7)
(Corn (Maize)) (Ensilage)

VASIL'YEVA, G.A.; POLOVTSEVA, Yu.M.; IGNASHCHENKOVA, N.V.;
ZAFIYANTSEVA, I.N.; SLENIK, R.M.; FRAVEL'IOVA, M.I.,
red.; KONDRAJ'EV, V.P., kand.techn.nauk, r.c.d.; ALFEN'eva, N.A.,
Inzh.red.

[Reliability and durability of piston machines; annotated bibliographies. Index: Soviet and foreign literature published in 1966-1968] Nadezhnost' i doigro-
technost' porshnevых машин; аннотированный библио-
графический указатель: отечественных и иностранных
литература 1966-1968 гг. Leningrad, Otdel nauchno-
tekhn. informacii, 1970. 124 p. (MIA 18: 1)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy i
konstruktorskiy institut khimicheskogo mashinostroyeniya.
Leningradskiy filial.

ZAGACZKOWSKI, B.

"Bag or box? Neither. Combining features of the bag and
box a new reinforced package is called 'Bar'." Reviewed
by B. Zajaczkowski. Przegl. papier 19 no.1:32 Ja '63.

TROSHCHEKOV, N.A., inzh.; ZAGADCHENKO, L.A., inzh.

Changes in the mechanical properties of steel under the
effect of cold rolling. Stal' 20 no.8:735-738
Ag '60. (MIRA 13:7)

1. Zavod "Zaporozhstal'."
(Steel--Cold working)

S/133/60/000/008/009/013

AUTHORS: Troshchenkov, N. A., Zagadchenko, L. A., Engineers

TITLE: The Change in the Mechanical Properties of Steel During
Cold Rolling ✓

PERIODICAL: Stal', 1960, No. 8, pp. 735-738

TEXT: In order to investigate the changes in the mechanical properties and the hardness of steel as a function of the degree of deformation, cold-rolling tests were carried out with 08 kp (08kp), 10G2 (10G2), 12G2A (12G2A), 25Kh1CA (25Kh1SA), 30KhFCMA (30KhGSA), 12Kh5MA (12Kh5MA), 34659 (EI659), 31E3, 1X18H9 (1Kh18N9), 1X18H9T (1Kh18N9T) and 31811 (EI811) grade steels. Before rolling the strips were subjected to a softening heat treatment, while the 08kp and 10G2 type steels were processed immediately after hot rolling. For cold rolling a reversing, four-roll mill was used, the diameter of the working rolls being 480 mm, that of the backing-up rolls 1,370 mm and the length of the roll body 1,680 mm with a motor output of 2,250 HP. From each type of steel one coil was rolled, thus attaining for one coil various steps of deformation. The degree of deformation varied between 5-15% for one pass. For ✓

Card 1/2

S/133/60/000/008/009/013

The Change in the Mechanical Properties of Steel During Cold Rolling

lubrication spindle oil, for cooling the rolls a 5-7% mineral emulsion were applied. For each degree of deformation four (two transverse and two along the rolling) specimens were tested, in accordance with GOST (GOST) 4197-42 and diagrams for the extensions were plotted. By analyzing the graphs representing the dependence of mechanical properties and the hardness in the stage of deformation, the following conclusions were drawn: 1) The strain hardening of the steel during cold rolling is not proportional to the stage of deformation. It is most effective in the beginning of deformation and becomes less pronounced as the deformation increases. 2) During cold forming the anisotropy of the steel properties increases, mainly for the EI811 type steel. 3) The relative elongation during cold rolling decreases disproportionately to the strain hardening of the steel. For all steels investigated it was found that after a deformation of 60% there is hardly any change in relative elongation. 4) The hardness of relatively plastic steels increases 1.2-2 times during cold rolling, whereas in less plastic steels, displaying a considerable hardness already before the rolling process, hardness increased only slightly. There are 2 sets of figures.

ASSOCIATION: Zavod "Zaporozhstal'" (Zaporozhstal' Plant)

Card 2/2

MITEL'MAN, M.G., inzh.; KONONOVICh, A.A., inzh.; ROZENBLYUM, N.D., doktor
khimicheskikh nauk; KIRSANOV, V.S., inzh.; ZAGAIKIN, V.A., tekhnich.

Nuclear high-voltage sources. Elektrotehnika 35 no.7:42-44 '64.
(MIRA 17:11)

Country : USSR

Category: Human and Animal Physiology. Action of Physical Factors. Ionizing Radiation.

Abs Jour: RZhDiel., № 19, 1958, 89303

Author : Zomdskaya, L.; Arutyunyan, R.K.; Kyandaryan, K.A.

Inst : -

Title : The General Reaction of the Organism and Electroencephalographic Changes Following Irradiation of the Brain with Radioactive Cobalt.

Orig Pub: V sb.; Tr. l-i Zakavkazsk. kofrentsii po med. radicol. Tbilisi, Gruznadgiz, 1956, 132-137.

Abstract: Radiation sickness was produced in rabbits by insertion of applicators with Co⁶⁰ in the skin of

Card : 1/4

T

Country : USSR
Category: Human and Animal Physiology. Action of Physical
Factors. Ionizing Radiation.

Abs Jour: RZhBiol., № 19, 1958, 89383

the fronto-temporal area (the dose of irradiation about 51,000 μ r). During the first hours following irradiation the amplitude of the oscillations of the bio-potentials of the brain decreased and slower waves of duration of 0.30-0.35 sec. appeared. The potentials became more frequent from the 3rd to the 7th day following irradiation. With the beginning of the second week a tendency to normalization of the EEG was observed as far as the re-establishment of the amplitude and reactivity was concerned, regardless of the manifestation of the general weakness associated with a markedly elevated excitability.

Card : 2/4

T-148

Country : USSR

Category: Human and Animal Physiology. Action of Physical Factors. Ionizing Radiation.

T

Abs Jour: RZhBiol., No 19, 1958, 89383

The animals perished on the 7-13th day following irradiation. Men, suffering from neoplasms of the skin of the upper part of the face and of the scalp were submitted to irradiation with Co⁶⁰ (therapeutic doses of 4-7,000 γ r per course, by the distance-application method). Patients with marked local skin reactions remained employable and practically normal during and after the period of irradiation. During the first days following irradiation, Δ -waves appeared in the EEG of the patients, of 0.4-0.8 seconds duration, the amplitude of the biopotentials decreased as

Card : 3/4

APPROVED FOR RELEASE: 03/15/2001 CIA-RDP86-00513R001963410011-5"

Country : USSR

Category: Human and Animal Physiology. Action of Physical Factors. Ionizing Radiation.

T

Abs Jour: RZhBiol., No 19, 1958, 89383

well as the reactivity of the cerebral cortex. The EEG returned to normal within 10 or more days following irradiation. -- V.A. Shaternikov

Card : 4/4

USSR / Human and Animal Physiology. Nervous System. T
Electroencephalogram of Man.

Abs Jour: Ref Zhur-Biol., No 22, 1958, 102201.

Author : Kyandaryan, K. A.; Papoyan, S. A.; Beglaryan, A.
G.; Zagadskaya, A. A.; Arutyunyan, R. K.

Inst : AS USSR.

Title : Functional and Morphologic Changes of the Brain
Under the Effect of Ionizing Irradiations.

Orig Pub: Dokl. AN SSSR, 1957, 112, No 2, 249-252.

Abstract: EEG were investigated of patients subjected to local gamma-irradiation from a Co⁶⁰ source in doses of 4000-7000 r due to neoplasm of the skin of the face and head, and of rabbits subjected to general Roentgen irradiation of 1000 r or localized gamma-irradiation from Co⁶⁰ in the frontoparietal region of 51 000 r with a dose intensity of 465-735 r per

Card 1/3

83

USSR / Human and Animal Physiology: Nervous System. T
Electroencephalogram of Man.

Abs Jour: Ref Zhur-Biol, No 22, 1958, 102201.

Abstract: hour. On the basis of a comparison of EEG and the results of morphologic investigation, three consecutive phases of the development of irradiation effect were isolated: a phase of initial increase of the electric activity of the cortex (at the time of or after irradiation), related to the diffuse affection of the nervous system; a phase of inhibition of cortical activity, treated by the authors as protective inhibition (several hours after irradiation), during which a further increase of the pathologic process takes place; and a phase of relative normalization of biological currents of the cortex (several days after irradiation), related to the restriction of the pathologic process and compensatory processes. In the case of

Card 2/3

ZAGANSKIY, D. A.

K voprosu o prilozhitnosti metoda zeytelya k resheniyu sistem nelineynykh uravneniy. L., Uchen. Zap. Ped. In-Ta, 28 (1930), 245-250. P-i lizhernoye reshenye nelineynykh integral'nykh uravneniy. L., Dissertatsiya (1946).

SO: Mathematics in the USSR, 1917-1947

edited by Kurosh, A. G.,

Markushevich, A. L.

Rashevskiy, P. K.

Moscow-Leningrad, 1948

ZAGADSKIY, Mikhail Konstantinovich, kand. tekhn. nauk, dots.;
SIVETS, Aleksandr Afanas'yevich, kand. tekhn. nauk, dots.;
GRIGOR'YEV, Viktor Andreyevich, kand. tekhn. nauk, dots.;
KRIVOSHEYENKO, Grigoriy Karpovich, kand. tekhn. nauk,
dots.; GORYACHEV, V.T., red.

[Maintenance equipment; construction and operation] Parko-
voe oborudovanie; ustroistvo i ekspluatatsiia. [By] M.K.
Zagadskii i dr. Moskva, Voenizdat, 1964. 331 p.
(MIRA 17:10)

ZAGAICAN, Vladimir, ing., correspondent

Technical and scientific exchange of experience. Constr
Buc 16 no.759:1 25 Jl '64.

GORSKI, Marian; BIELAWSKI, W.; BOROWSKA, S.; NIEMIRO, R.; RAJFERT, H;
TIMOSZEWSKA, B.; ZAGAJSKA, T.; (przy wsparciu asystentki
technicznej A. SWIDERSKIEJ).

Research on water-mineral metabolism in liver cirrhosis. Polskie.
arch. med. wewn. 28 no.4:579-583 1958.

1. Z. I. Elżbieta Chorob Wewnętrznych A.M.G. Dyrektor; prof. dr med.
Gorski. Adres autora: Gdańsk, Wrzeszcz, Curie-Skłodowskiej 4.

(LIVER CIRRHOSIS, metab.)

(BODY FLUID BALANCE, in various dis.)

water-mineral metab. in liver cirrhosis (Pol))

USSR / General and Social Zoology. Insects. p

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16493

Author : Zagainyi S.A.

Inst : Not given

Title : Pests of Greenhouse Plants in Krasnodar Region.
(Vrediteli oranzhereinykh rastenii v Krasnodar-
skom kraye)

Orig Pub: Bul.Gl.botan.sada AN SSSR, 1956, vyp. 26,85-90

Abstract: The soft pseudo-scale insects the farinaceous scale insects, the velour and brown scale insects, and the greenhouse aphid were found in the greenhouse most frequently. The lemons (by insects of 14 species), the palms (10 species), "beresket" Japanese (0), camelia (by 8 species) and cycad palms (by 8 species) were infected more than any other plants. Prophylactic measures were

Card 1/2

ZAGALAK, B.

Chemical synthesis of aliphatic analogues of cobinamide
coenzyme and their effect on enzymic activity. Acta biochim.
pol. 10 no.4:387-398 '63.

1. Department of Biochemistry, College of Agriculture, Poznan.
(COENZYMES) (CHEMISTRY) (VITAMIN B 12)

ZAGAJA, S. W.

Preliminary results of investigations on the effect of low temperatures on the development of seedlings from immature embryos of sweet and sour cherries. Bul Ac Pol biol 9 no.3:113-115 '61.
(EEAI 10:9/10)

1. Research Institute of Pomology, Skiermiewice. Presented by
S. A. Pieniazek.

(CHERRY) (TEMPERATURE)

45718

93240

S/194/62/000/012/092/101
D413/0308

AUTHOR: Zagajewski, T.

TITLE: An amplifier with nonlinear feedback

PERIODICAL: Referativnyy zhurnal, Avtomatika i radiotekhnika,
no. 12, 1962, 94, abstract 12-7-187 ch (Bull. Acad.
polon. sci. Sér. sci techn., v. 10, no. 1, 1962,
57-58 (Eng.; summary in Russ.))TEXT: An analysis is given of an amplifier with negative feedback
applied through a four-terminal network whose output voltage $U_z = f_1(U_2)$ (the feedback voltage) is a nonlinear function f_1 of the
amplifier output voltage U_2 . It is proved that for a sufficiently
high amplifier gain the relation of the output voltage to the in-
put voltage U_1 is expressed by a function which is the inverse of
 f_1 , i.e. $U_2 = -f_1^{-1}(U_1)$. *[Abstracter's note: Complete translation.]*

Card 1/1

ZAGAJEWSKI, T.

Nonlinear feedback amplifier. Bul Ac Pol tech 10 no.1:[57]-[60]
'62.

1. Department of Industrial Electronics, Silesian Technical
University, Gliwice.

ZAGAJEWSKI, T.

Polish Technical Abst.
No. 4, 1953
Mechanics, Electro-
technics, Power

2413 ✓

621.316.726.078.3:621.396.615.1

Zagajewski T. Resistance Frequency Stabilisation in Self-
Excited Thermionic Oscillators.

Oporowa stabilizacja częstotliwości samowzbudnych generatorów
lampowych. (Prace Panstw. Inst. Telekom. No. 3)

Warszawa, 1952, PWT, 10 pp., 16 figs.

This article contains a review of oscillator circuits with
frequency-resisting stabilisation, based on the introduction
of a resistance in series with the resonating circuit
of the oscillator. It follows from an analysis of the
working of this system, that the introduction of a series
resistance into a system with negative resistance
dependent on the voltage, and with the introduction of
the feed-back, causes of deterioration in the
oscillation stability while a strong over-excitation
causes an improvement.

5/14/54 ps